



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

GAF

1 Campus Drive
Parsippany, NJ. 07054

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: GAF TruSlate® Premium Roofing System

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises NOA#09-0706.14 and consists of pages 1 through 11.
The submitted documentation was reviewed by Alex Tigera.



NOA No. 13-0509.06
Expiration Date: 05/26/20
Approval Date: 05/07/15
Page 1 of 11

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Roofing Slate
Materials	Slate
Deck Type:	Wood

PRODUCT DESCRIPTION:

Product	Dimensions	Test Specifications	Product Description
TruSlate®– Onyx Black (Manuf. Loc. #5)	various	TAS 110	Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths.
TruSlate® – Autumn Dusk (Manuf. Loc. #1)	various	TAS 110	Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths.
TruSlate® – Charcoal (Manuf. Loc. #1)	various	TAS 110	Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths.
TruSlate® – Antique Purple (Manuf. Loc. #1)	various	TAS 110	Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths.
TruGrip™ Batten and Hanger System (Manuf. Loc. #3, #4)	L = 48" W = 2" Thickness = 0.020" Wire Hanger: 12ga.	ASTM A580	Stainless steel batten and stainless steel hangar assembly for use with GAF TruSlate® Premium Roofing System.
Underblock™ UV & Moisture Barrier	12-3/4" x 350' rolls	ASTM D 226 Type II	Synthetic felt underlayment designed as a slate roofing interlayment.
TruSlate® Ridge Vent (Manuf. Loc. #2)	H=7/8" W=13-13/16" L=48"	TAS 100(A)	Plastic low profile attic ridge vent for installation with GAF TruSlate® Premium Roofing System only.
Weather Watch® Mineral Surfaced Leak Barrier	36" x 50' rolls 36" x 67' rolls	ASTM D 1970	Granular surfaced modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice and rain shield.
StormGuard® Film Surfaced Leak Barrier	36" x 66.7' rolls	ASMT D 1970	Modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice & rain shield.

UnderRoof™ 2 Polyester-Surfaced Leak Barrier	39-3/8" x 67.8' rolls	ASTM D 1970	Self-adhering reinforced membrane of rubberized asphalt with polyester surfacing for use as an underlayment in sloped tile and asphalt shingle roof assemblies.
Deck-Armor™®Premium Breathable Roof Deck Protection	54" x 222' rolls 48" x 100' rolls	ASTM D 226 Type II	A UV-stabilized polypropylene breathable underlayment. To be used for roof deck protection as an underlayment in sloped roof assemblies.
Tiger Paw™ Roof Deck Protection	48" x 250' rolls 48" x 100' rolls	ASTM D 226 Type II	A UV-stabilized polypropylene non-breathable underlayment. To be used for roof deck protection as an underlayment in sloped roof assemblies.
VersaShield® Fire Resistant Roof Deck Protection	42" x 100' rolls	ASTM D 226 Type II	Non-Asphaltic fiberglass-based underlayment and/or fire barrier.

EVIDENCE SUBMITTED:

1. Poultney, VT.
2. Cumming, GA.
3. Ningbo, China
4. Guangdong, China
5. Toronto, ON. Canada



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials Technologies.	BRY-059-02-01	TAS 100	12/19/06
	GAF-242-02-02	ASTM D 226	01/20/10
Trinity ERD	E10460.03.09	ASTM C 406	03/25/09
Underwriters Laboratories	07CA06956	UL580	02/12/07
Architectural Testing	A5250.01-109-18	TAS 100(A)	05/21/12
	B9692.01-106-13-R1	ASTM C 406	02/13/13
	C5293.01-106-31	ASTM C 406	04/16/13
	D2702.01-106-18	ASTM D 635	06/30/14
		ASTM D 638	
		ASTM D 1929	
		ASTM D 2843	
		ASTM E 84	
		ASTM G 155	

APPROVED SYSTEMS:

Deck Type: Wood, Non-insulated
Deck Description: $19/32$ " or greater plywood or wood plank.
Slope Range: 4:12 or greater

Deck Attachment: In accordance with applicable building code, but in no case shall it be less than #8 corrosion resistant screws spaced 6" o.c. In reroofing, where the deck is less than $19/32$ " thick (Minimum $15/32$ "") the above attachment method must be in addition to existing attachment.

Underlayment: **For slopes 4:12 up to and including 5:12:**

Apply one layer of GAF Deck-Armor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Roof Deck Protection, or VersaShield® Fire Resistant Roof Deck Protection with a minimum 3" side lap and 6" end lap with minimum 3' between end laps mechanically fastened to deck with approved nails and tin caps 6" o.c. at the laps and four staggered rows 12" o.c. the field of the roll. Or, apply two layers of ASTM D226 Type II (#30 Underlayment) asphalt saturated underlayment by installing a 19" wide starter strip of ASTM D226 Type II (#30 Underlayment) asphalt saturated underlayment at the eave edge and then applying additional sheets to cover the deck with a 19" overlap and minimum 6" end laps.

In addition, apply a self-adhering GAF StormGuard® Film-surfaced Leak Barrier, or UnderRoof™ 2 Polyester-Surfaced Leak Barreier, or Weather Watch® Mineral Surfaced Leak Barrier on top of the Deck-Armor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Roof Deck Protection, VersaShield® Fire Resistant Roof Deck Protection, or ASTM D226 Type II (#30 Underlayment) covering the full deck with a minimum 3" side lap and 6" end lap. Place the first course of membrane parallel to the eave, rolling the membrane to obtain maximum contact. Remove the release membrane as the membrane is applied. Vertical strapping of the roof with the GAF Leak Barrier is acceptable.

For slopes over 5:12:

Apply one layer of GAF Deck-Armor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Roof Deck Protection, or VersaShield® Fire Resistant Roof Deck Protection with a minimum 3" side lap and 6" end lap with minimum 3' between end laps mechanically fastened to deck with approved nails and tin caps 6" o.c. at the laps and four staggered rows 12" o.c. the field of the roll. Or, apply two layers of ASTM D226 Type II (#30 Underlayment) asphalt saturated underlayment by installing a 19" wide starter strip of ASTM D226 Type II (#30 Underlayment) asphalt saturated underlayment at the eave edge and then applying additional sheets to cover the deck with a 19" overlap and minimum 6" end laps.

In addition, apply a self-adhering GAF StormGuard® Film-Surfaced Leak Barrier, UnderRoof™ 2 Polyester-Surfaced Leak Barrier, or Weather Watch® Mineral Surfaced Leak Barrier on top of the Deck-Armor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Roof Deck Protection, VersaShield® Fire Resistant Roof Deck Protection, or ASTM D226 Type II (#30 Underlayment) at the eaves, hips and ridges, gable/rake edges, in valleys, around roof protrusions and at all other vulnerable areas of the roof. At the eave edge, apply GAF Leak Barrier in 18" strips from the eave edge to a point at least 24" (610mm) beyond the inside "warm" wall of the living space. Full deck coverage of a GAF Leak Barrier is also acceptable on slopes over 5:12.

Eave Metal:

For eave and gable drip metal, made of Copper, Lead Coated Copper, Lead or Stainless Steel, fasten with 1-1/4" nails manufactured from similar and compatible material at a maximum spacing of 4" o.c. Eave and gable detail shall be in accordance with the installation instructions and details in GAF's current published installation manual. All composite materials shall be fastened with non-ferrous nails. All metal profiles shall be installed in compliance with RAS 111.

Valleys:**Only for slopes 5:12 or greater**

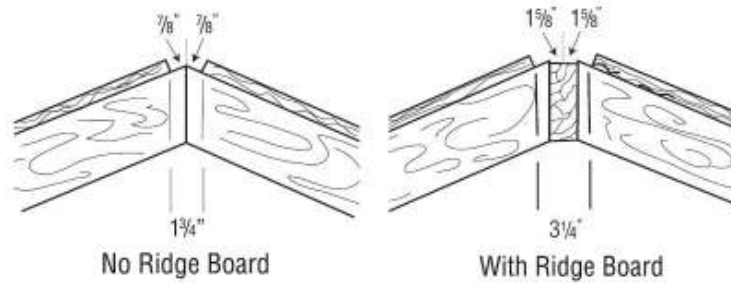
Valley metal, made of Copper, Lead Coated Copper, Lead or Stainless Steel, shall be a minimum 24" wide preformed W-shape metal with returns. If the slope is greater than 12:12, valley metal may be reduced to 16" wide. Valley metal shall be set over a minimum 36" wide sweat sheet of Deck-Armor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Roof Deck Protection, VersaShield® Fire Resistant Roof Deck Protection or minimum ASTM D 226 type II embedded in roofing cement, or a GAF StormGuard® Film-Surfaced Leak Barrier, UnderRoof™ 2 Polyester-Surfaced Leak Barrier, or Weather Watch® Mineral Surfaced Leak Barrier. Valley metal shall be secured with a minimum of 2 approved 1-1/4" roofing nails spaced at a maximum distance of 12" o.c. and shall be manufactured from similar and compatible material set in roofing cement. Trim metal at all valley/ridge junctions, ensuring water-shedding capabilities onto the valley. Install metal soaker at all valley junctions. Turn soaker up on sides a minimum of 1" to create a water diverter, ensuring ample water-shedding capabilities. Valley detail shall be in accordance with the installation instructions and details in GAF's current published installation manual.

Additionally, install a full sheet of GAF StormGuard® Film-Surfaced Leak Barrier, UnderRoof™ 2 Polyester-Surfaced Leak Barrier, or Weather Watch® Mineral Surfaced Leak Barrier, centered on the valley, on top of the Deck-Armor™ Premium Breathable Roof Deck Protection, Tiger Paw™ Roof Deck Protection, or VersaShield® Fire Resistant Roof Deck Protection, or ASTM D 226 Type II (#30 Underlayment).

Ventilation:

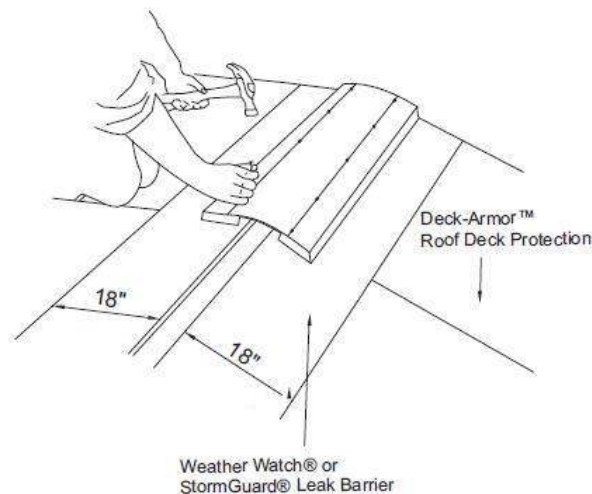
Install GAF TruSlate® Ridge Vent in accordance with GAF's current published installation instructions and this Notice of Acceptance.

Determine whether the rafters are truss or ridge board construction. Chalk a cut line on each side of ridge. Cut a 1-3/4" (truss) or 3-1/4" (ridge board) slot along the apex of the roof by cutting 7/8" on each side of the ridge. The slot shall terminate at least 6" from any end walls and at least 12" from hip and ridge intersections or chimneys.



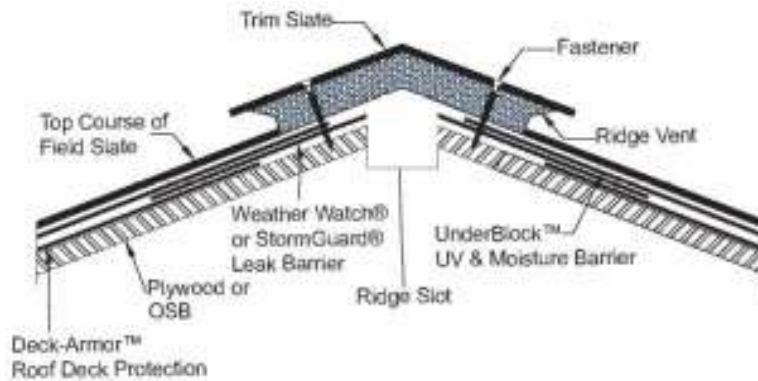
Install an 18" wide piece of peel and stick leak barrier, such as GAF Weather Watch® Mineral Surfaced Leak Barrier, StormGuard® Film-Surfaced Leak Barrier, or UnderRoof™ 2 Polyester-surfaced Leak Barrier from the edge of the ridge slot extending down towards the roof deck.

Place the TruSlate® Ridge Vent centered and "peaked" over the ridge slot. Fasten the vent section using 3" ring shank nails. Apply the subsequent ridge vent sections over the length of the ridge. Use a 4" wide piece of peel and stick leak barrier, such as GAF Weather Watch® Mineral Surfaced Leak Barrier, UnderRoof™ 2 Polyester-Surfaced Leak Barrier, or StormGuard® Film-Surfaced Leak Barrier to cover the joint between subsequent ridge vent sections. Cover all of the exposed nail heads on the vent with exterior grade silicone caulk.

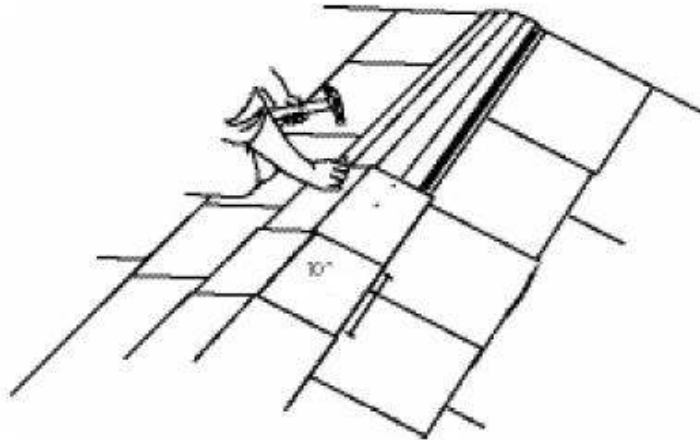


With the ridge vent installed, proceed with installing the top course of slates adjacent to the TruSlate® Ridge Vent. The UnderBlock™ UV and Moisture Barrier from the top course of slates

should always extend 1" above the top of the slate. This portion of the UnderBlock™ UV and Moisture Barrier should be tucked securely under the TruSlate® Ridge Vent.



Fasten trim slates directly to the vent, using two 3" ring shank nails. Install trim slates on top of the ridge vent so they overhang the top course of field slates by at least 1". Succeeding trim slates should cover the previous trim slate by 6", resulting in a finished exposure for each trim slate of 10". Always make sure the top butt edge of both trim slates is centered along the ridge. Join these trim slates so that one trim slate slightly overlaps the other trim slate.



For Net Free Area, refer to manufacturers published literature.

Ridges: Ridges shall be covered with trim slates having an approximate width of 7" and length of 16", and an approximate exposure of 10". The exposure of the ridge trim slates shall be approximately the same as the width of the field slates. Pre-manufactured hip and ridge units are acceptable. In all cases the ridge trim slates cover the top course of the field slate by a minimum of 2". Ridge trim slates shall be installed in a saddle or combing method and shall be attached with an alternating overlap. All ridge trim slates shall be set in an 8" bed of ASTM D 4586 mastic.

Application: Install GAF TruSlate® Premium Roofing System in accordance with GAF's current published installation instructions and this Notice of Acceptance.

TruGrip™ Battens shall be installed 9-1/2" – 10" o.c. and secured to the plywood deck with 1-1/4" long by 3/8" head diameter stainless steel ring shank nails spaced 6" o.c. Install the TruGrip™ Hangers into the battens 6" o.c.

UnderBlock™ UV & Moisture Barrier is used as an interlayment between the slates, TruGrip™ Hangers and roof deck. The UnderBlock™ Moisture Barrier is installed in 10'-12' (3.05-3.66m) sections with side laps of at least 12" (304.8mm). The 10'-12' length sections are placed along the bottom edge of the Battens using Hangers to support the bottom edge of the UnderBlock™ UV & Moisture Barrier. The UnderBlock™ UV & Moisture Barrier is installed "Dull" side up ("Shiny" side down).

Slate shall be laid so that alternate courses do not align, all joints shall be offset not less than 3" from any underlying joint.

Each slate shall be inserted along the battens into the TruGrip™ Hangers supporting the bottom edge of the slate. **See Details herein.** Each slate shall have a minimum 9-1/2" exposure. Slates must always be a minimum of 4" in width and 5" in height and supported by at least two hangers.

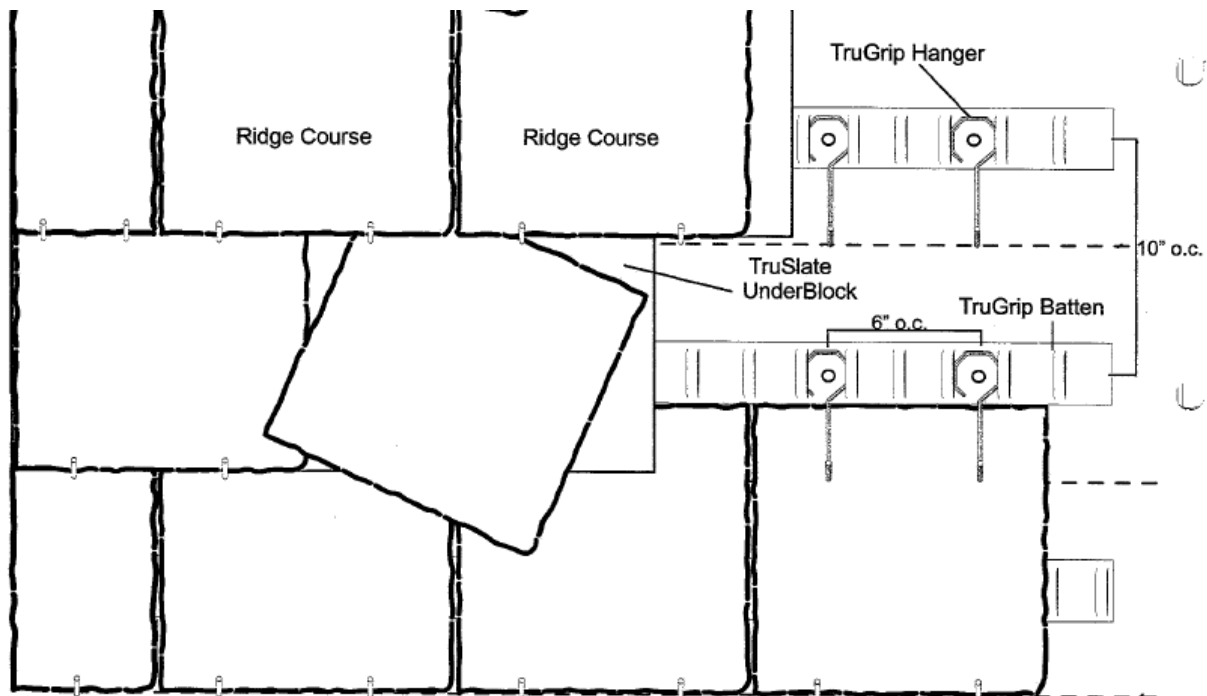
Maximum Design Pressure:

-84.6 psf (See General Limitation #5)

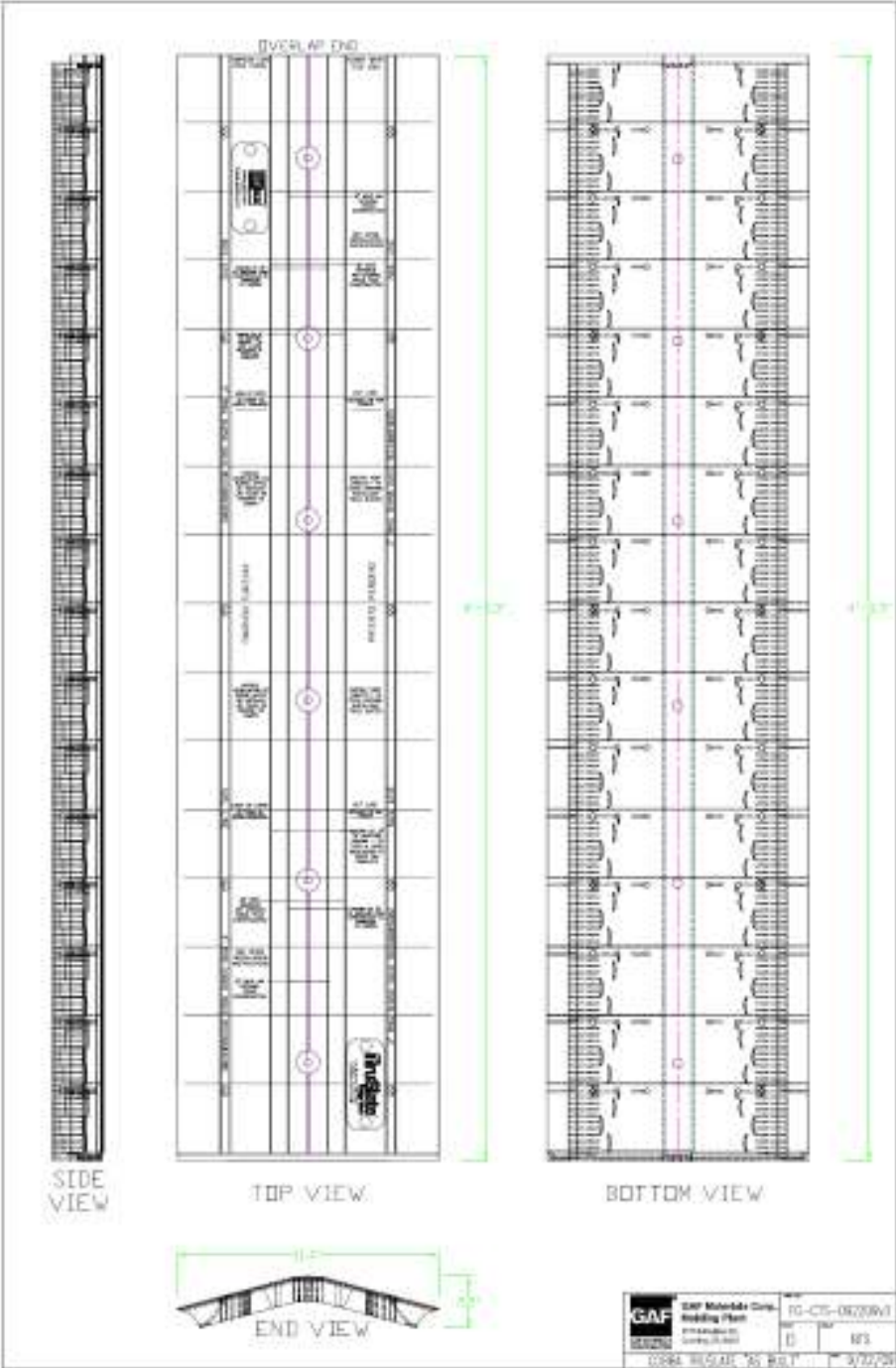
LIMITATIONS

1. This acceptance is for wood deck applications. Minimum deck requirements shall be in compliance with applicable building code.
2. All crates of slates shall bear the imprint or identifiable marking of the manufacturer, name or logo, or following statement: "Miami-Dade County Product Control Approved".
3. The applicant shall retain the services of a Miami-Dade County certified testing laboratory to maintain quality control in compliance with the Florida Building Code.
4. Application for building permit shall be accompanied by copies of the following:
 - a. This Notice of Acceptance.
 - b. Any other documents required by the Building Official or applicable Building Code in order to properly evaluate the installation of this system.
5. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
6. UnderBlock™ UV & Moisture Barrier shall not be left exposed for longer than 30 days after application.
7. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

DETAIL DRAWING



GAF TruSlate® Ridge Vent



END OF THIS ACCEPTANCE